

ABSTRACT OF THE DISCLOSURE

An electrical connector system (200) is disclosed that includes a plurality of modular components. The modular components can include a receptacle housing (210, 503, 1410, 1610, 1810, 1910, 2162, 2610, 3010, 3410), a socket insert (212, 214, 400, 500), a socket electrical contact (410), a grounding spring (216, 218, 1916, 1918), a male polarizing key (220, 222, 224, 1420, 1422, 1424, 2400, 2402, 2404), a plug housing (260, 1560, 1561, 1760, 2360, 2361, 2760), a pin insert (262, 264, 300, 600, 700, 800, 900, 1000, 1100, 1200, 1300), a pin electrical contact (310), a female polarizing key (270, 272, 274, 2370, 2372, 2374, 2500, 2502, 2504), and a coupler (290, 2367). The modular components can be assembled into desired connector assemblies (202, 501, 1402, 1802, 1902, 2020, 2030, 2040, 2150, 2210, 2220, 2602, 3002, 3402, 4702, 4802, 4902, 204, 2304, 2704). The connector assemblies (202, 501, 1402, 1802, 1902, 2020, 2030, 2040, 2150, 2210, 2220, 2602, 3002, 3402, 4702, 4802, 4902, 204, 2304, 2704) can be mounted in various ways. Various types of backshells (2800, 2900, 3100, 3200, 3300, 3500, 3600, 3700, 3800, 3900, 4000, 4100, 4200, 4300, 4400, 4500, 4600) can be used with the connector assemblies. The electrical connector system (200) can have several different configurations.